

ABSTRACT OF THE DISCLOSURE

In an apparatus for determining the actual status
of a piezoelectric sensor in a medical implant,
5 electrical charges generated in the sensor, in response
to changes in acceleration and/or gravitational force or
other loads acting on the sensor, are continuously
detected and the charges are then removed from the
sensor, thereby maintaining the voltage across the sensor
10 at a substantial constant zero level. The detected
charges, both negative and positive, are integrated,
thereby providing a resulting integrated signal
representing the actual status of the sensor. The
integrated signal is then evaluated for determining the
15 physical activity and/or the posture of a patient in whom
the medical implant is implanted.